Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010523\
Data File : BG056212.D
Acq On : 5 Jan 2023 13:37
Operator : CG/JU
Sample : N5388-03
Misc : SFAM-MDL-S-01-4PPM
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 14:16:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 01:03:13 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT4-2022-07

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/06/2023
Supervised By :mohammad ahmed 01/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	48693	20.000	ng/ul	0.00
20) Naphthalene-d8	11.164	136	198848	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.948	164	171440	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.686	188	452184	20.000	ng/ul	0.00
79) Chrysene-d12	21.981	240	430654	20.000	ng/ul	0.00
88) Perylene-d12	25.441	264	436807	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.632	96	4408	4.100	ng/uL	0.00
4) Pyridine-d5	4.066	84	41917	12.205	ng/ul	0.00
7) Phenol-d5	7.462	99	70093	16.317	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.639	67	30381	17.247	ng/ul	0.00
11) 2-Chlorophenol-d4	7.856	132	47829	16.640	ng/ul	0.00
15) 4-Methylphenol-d8	9.019	113	55643	16.256	ng/ul	0.00
21) Nitrobenzene-d5	9.507	128	26171	16.667	ng/ul	0.00
24) 2-Nitrophenol-d4	10.236	143	33225	16.180	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.770	165	64840	15.840	ng/ul	0.00
31) 4-Chloroaniline-d4	11.293	131	72203	15.674	ng/ul	0.00
46) Dimethylphthalate-d6	14.331	166	225785	16.598	ng/ul	0.00
49) Acenaphthylene-d8	14.642	160	246338	16.485	ng/ul	0.00
54) 4-Nitrophenol-d4	15.106	143	34898	16.251	ng/ul	0.00
60) Fluorene-d10	15.929	176	210082	16.534	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.035	200	44721	14.076	ng/ul	0.00
73) Anthracene-d10	17.780	188	340020	16.360	ng/ul	0.00
81) Pyrene-d10	20.042	212	405952	16.111	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.200	264	374638	16.725	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.667	88	1342m	1.120	ng/uL	
5) Pyridine	4.090	79	11115	3.306	ng/ul	95
6) Benzaldehyde	7.457	77	7350	4.877	ng/ul	98
8) Phenol	7.486	94	18896	4.454	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.733	93	13026	4.435	ng/ul	97
12) 2-Chlorophenol	7.885	128	13027	4.609	ng/ul	93
13) 2-Methylphenol	8.761	108	13109	4.022	ng/ul#	72
14) 2,2'-oxybis(1-Chloropr...	8.861	45	2032m	3.806	ng/ul	
16) Acetophenone	9.155	105	23696	4.499	ng/ul	96
17) N-Nitroso-di-n-propyla...	9.131	70	10809	4.633	ng/ul	95
18) 4-Methylphenol	9.084	108	15577	4.400	ng/ul	88
19) Hexachloroethane	9.431	117	4973	4.521	ng/ul#	81
22) Nitrobenzene	9.548	77	15962	4.477	ng/ul#	85
23) Isophorone	10.065	82	32905	4.378	ng/ul#	97
25) 2-Nitrophenol	10.271	139	8382	4.230	ng/ul	95
26) 2,4-Dimethylphenol	10.306	107	16404	4.042	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.541	93	18736	4.450	ng/ul#	97
29) 2,4-Dichlorophenol	10.800	162	16077	4.166	ng/ul	96
30) Naphthalene	11.217	128	43710	4.200	ng/ul	98
32) 4-Chloroaniline	11.311	127	19442	4.131	ng/ul	92
33) Hexachlorobutadiene	11.493	225	15377	4.645	ng/ul	95
34) Caprolactam	12.057	113	5688m	4.696	ng/ul	
35) 4-Chloro-3-methylphenol	12.404	107	16136	4.262	ng/ul	88
36) 2-Methylnaphthalene	12.797	142	33845	4.257	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.015	142	27130	3.318	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.156	216	28344	4.271	ng/ul#	91
40) Hexachlorocyclopentadiene	13.132	237	14691	3.256	ng/ul	95
41) 2,4,6-Trichlorophenol	13.385	196	18061	4.286	ng/ul	95
42) 2,4,5-Trichlorophenol	13.455	196	19533	4.262	ng/ul	95
43) 1,1'-Biphenyl	13.784	154	52801	4.279	ng/ul#	95
44) 2-Chloronaphthalene	13.831	162	44519	4.399	ng/ul	98
45) 2-Nitroaniline	14.025	65	7892	4.086	ng/ul#	77
47) Dimethylphthalate	14.378	163	58675	4.364	ng/ul#	96
48) 2,6-Dinitrotoluene	14.507	165	12029	4.261	ng/ul	97
50) Acenaphthylene	14.672	152	63969	4.226	ng/ul	100
51) 3-Nitroaniline	14.836	138	10515	4.918	ng/ul	92
52) Acenaphthene	15.006	153	44316	4.231	ng/ul	97
53) 2,4-Dinitrophenol	15.042	184	10604	5.253	ng/ul	94
55) 4-Nitrophenol	15.124	109	8130	4.047	ng/ul	93
56) Dibenzofuran	15.341	168	72348	4.468	ng/ul	100
57) 2,4-Dinitrotoluene	15.289	165	16534	4.110	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.553	232	17626	3.972	ng/ul	94
59) Diethylphthalate	15.729	149	54568	4.365	ng/ul	98
61) Fluorene	15.982	166	55697	4.271	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.964	204	36373	4.461	ng/ul	97
63) 4-Nitroaniline	15.988	138	9624	4.920	ng/ul	98
66) 4,6-Dinitro-2-methylph...	16.046	198	13592	4.482	ng/ul#	93
67) N-Nitrosodiphenylamine	16.176	169	51226	4.245	ng/ul	96
68) 4-Bromophenyl-phenylether	16.857	248	23942	4.128	ng/ul	95
69) Hexachlorobenzene	16.987	284	25000	4.353	ng/ul	97
70) Atrazine	17.110	200	34102	6.200	ng/ul	97
71) Pentachlorophenol	17.321	266	15425	4.211	ng/ul	91
72) Phenanthrene	17.727	178	98672	4.280	ng/ul	98
74) Anthracene	17.815	178	99095	4.234	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.755	216	23103	3.390	ng/uL	92
76) Pentachlorobenzene	15.259	250	23594	3.384	ng/uL	95
77) Carbazole	18.073	167	83119	4.326	ng/ul	98
78) Di-n-butylphthalate	18.608	149	84143	4.150	ng/ul	97
80) Fluoranthene	19.713	202	127906	4.292	ng/ul	97
82) Pyrene	20.071	202	124347	4.173	ng/ul	99
83) Butylbenzylphthalate	20.935	149	35181	4.025	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.857	252	55644	5.464	ng/ul#	95
85) Benzo(a)anthracene	21.957	228	126243	4.251	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.828	149	51112	4.044	ng/ul	93
87) Chrysene	22.028	228	117687	4.262	ng/ul	99
89) Di-n-octyl phthalate	23.115	149	87799	4.378	ng/ul	100
90) Benzo(b)fluoranthene	24.325	252	129838	4.452	ng/ul	98
91) Benzo(k)fluoranthene	24.401	252	125348	4.393	ng/ul	96
93) Benzo(a)pyrene	25.271	252	112086	4.390	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.407	276	151892	4.522	ng/ul	94
95) Dibenzo(a,h)anthracene	29.478	278	131771	4.694	ng/ul	98
96) Benzo(g,h,i)perylene	30.670	276	127820	4.707	ng/ul#	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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